

**Goat anti-SOX10 (aa204-217) Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF4509a

## Specification

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### Goat anti-SOX10 (aa204-217) Antibody - Product Information

Application	WB, Pep-ELISA
Primary Accession	<a href="#">P56693</a>
Other Accession	<a href="#">NP_008872.1</a>
Reactivity	Human, Mouse, Rat, Pig, Dog, Bovine
Host	Goat
Clonality	Polyclonal
Calculated MW	49911

### Goat anti-SOX10 (aa204-217) Antibody - Additional Information

Gene ID 6663

#### Other Names

SOX10; SRY (sex determining region Y)-box 10; DOM; MGC15649; PCWH; WS2E; WS4; WS4C; OTTHUMP00000195094; OTTHUMP00000195097; SRY-related HMG-box gene 10; dominant megacolon, mouse, human homolog of; transcription factor SOX-10

#### Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Goat anti-SOX10 (aa204-217) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### Goat anti-SOX10 (aa204-217) Antibody - Protein Information

Name SOX10

#### Function

Transcription factor that plays a central role in developing and mature glia (By similarity). Specifically activates expression of myelin genes, during oligodendrocyte (OL) maturation, such as DUSP15 and MYRF, thereby playing a central role in oligodendrocyte maturation and CNS myelination (By similarity). Once induced, MYRF cooperates with SOX10 to implement the myelination program (By similarity). Transcriptional activator of MITF, acting synergistically with PAX3 (PubMed: <http://www.uniprot.org/citations/21965087> target="\_blank">21965087</a>). Transcriptional activator of MBP, via binding to the gene

promoter (By similarity).

**Cellular Location**

Cytoplasm. Nucleus. Mitochondrion outer membrane {ECO:0000250|UniProtKB:Q04888};  
Peripheral membrane protein {ECO:0000250|UniProtKB:Q04888}; Cytoplasmic side  
{ECO:0000250|UniProtKB:Q04888}

**Tissue Location**

Expressed in fetal brain and in adult brain, heart, small intestine and colon

**Goat anti-SOX10 (aa204-217) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat anti-SOX10 (aa204-217) Antibody - Images**